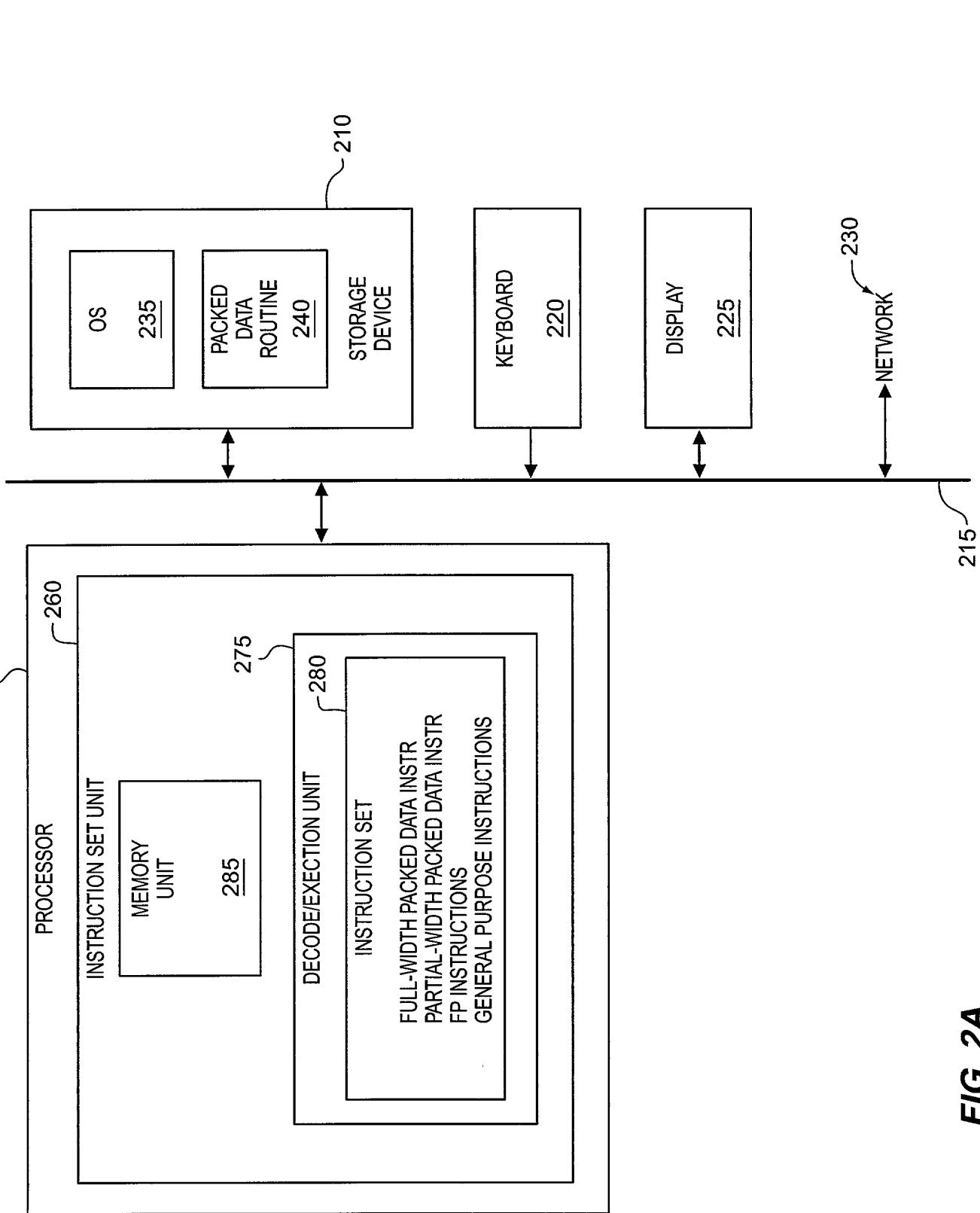
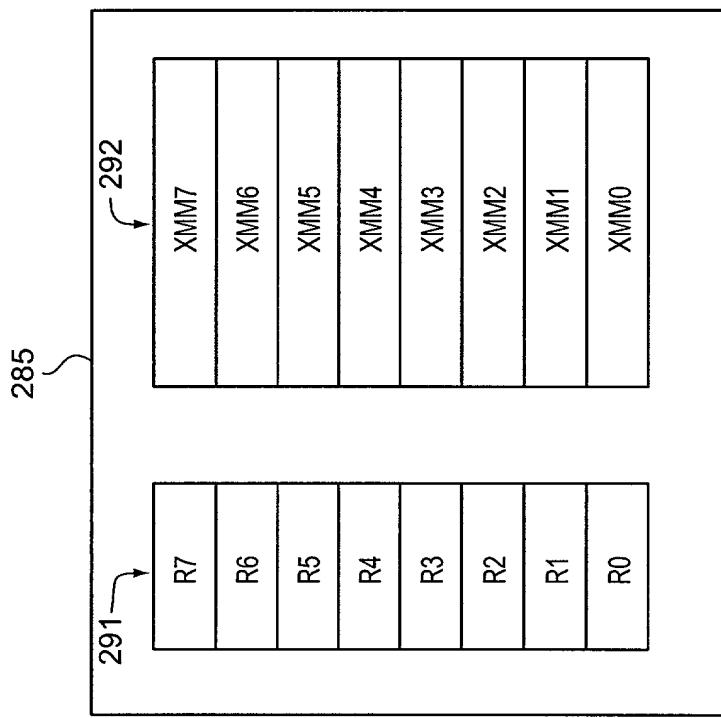


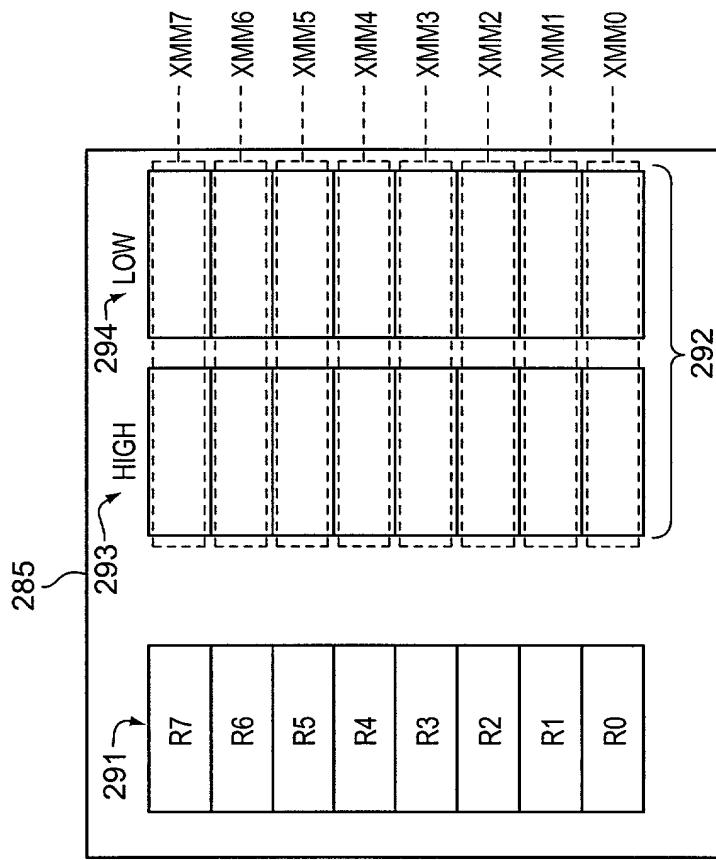
**FIG. 1**  
**PRIOR ART**



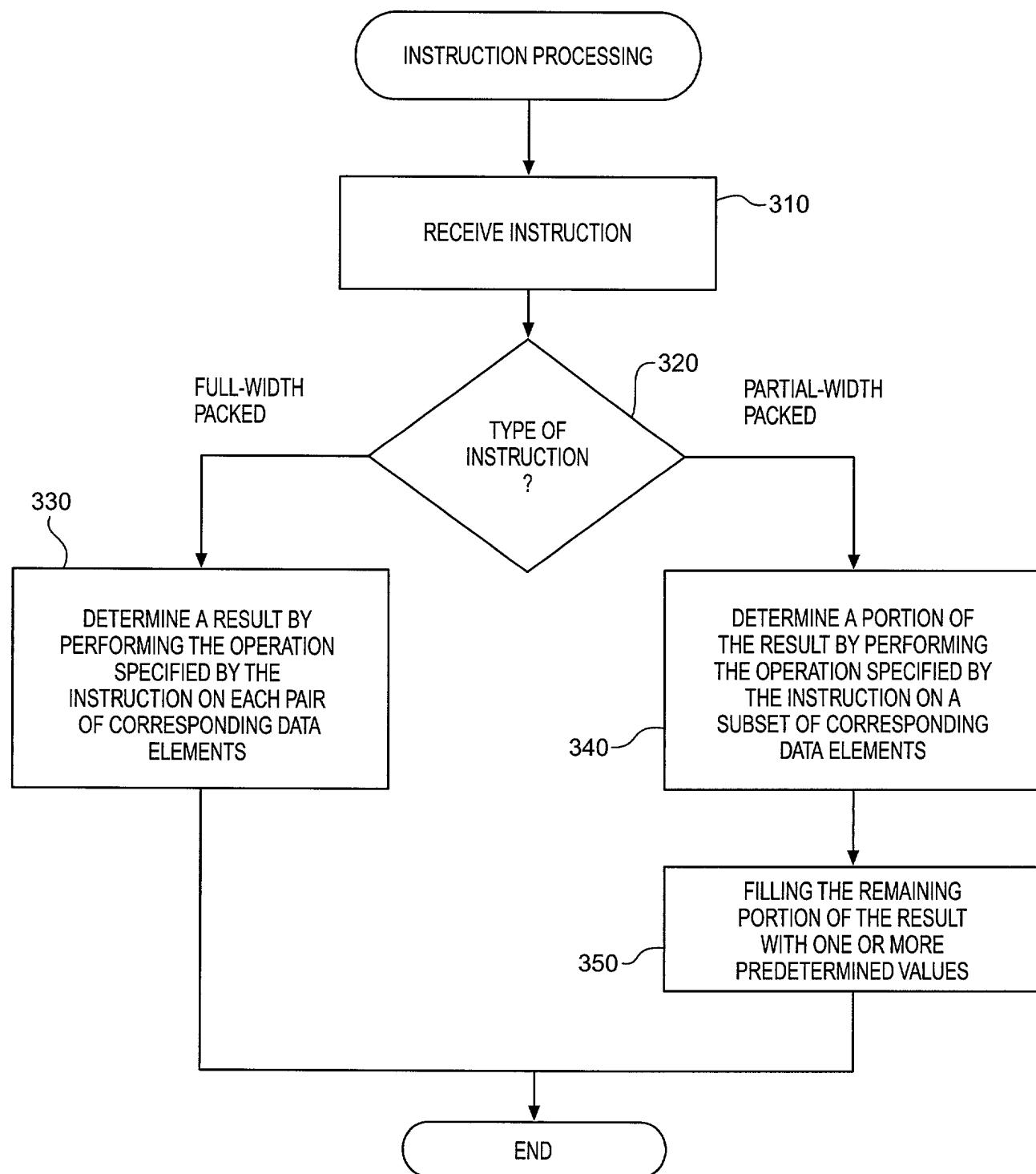
**FIG. 2A**



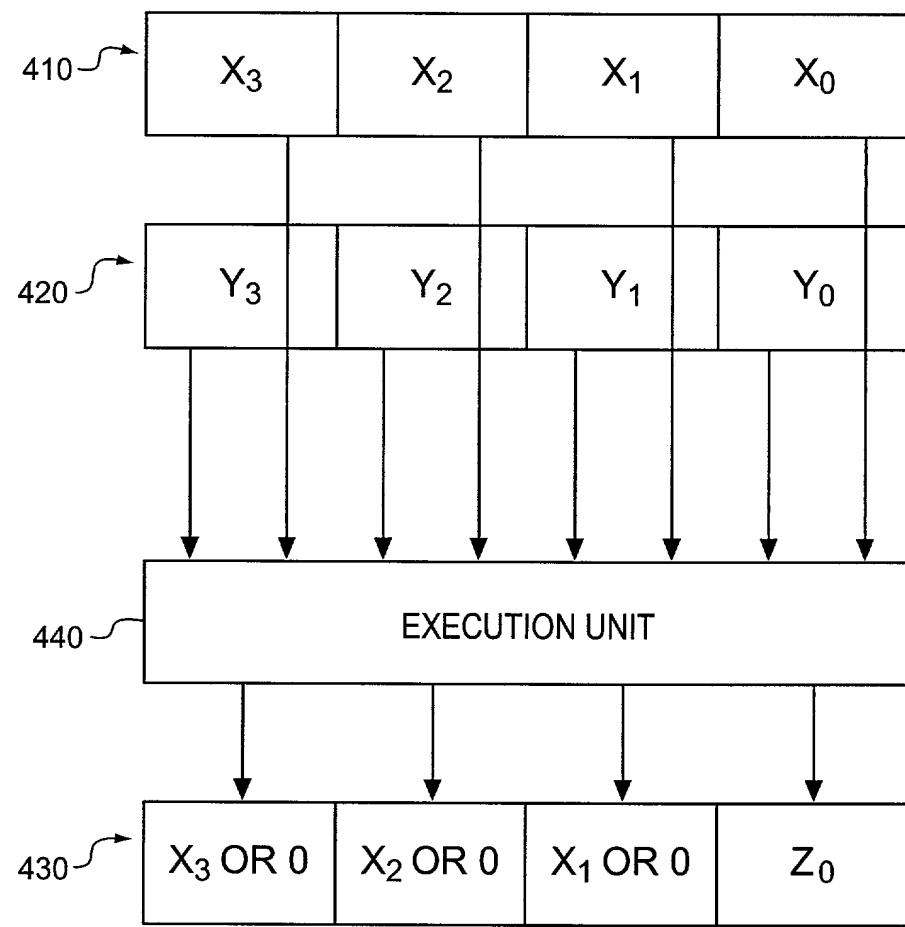
**FIG. 2B**



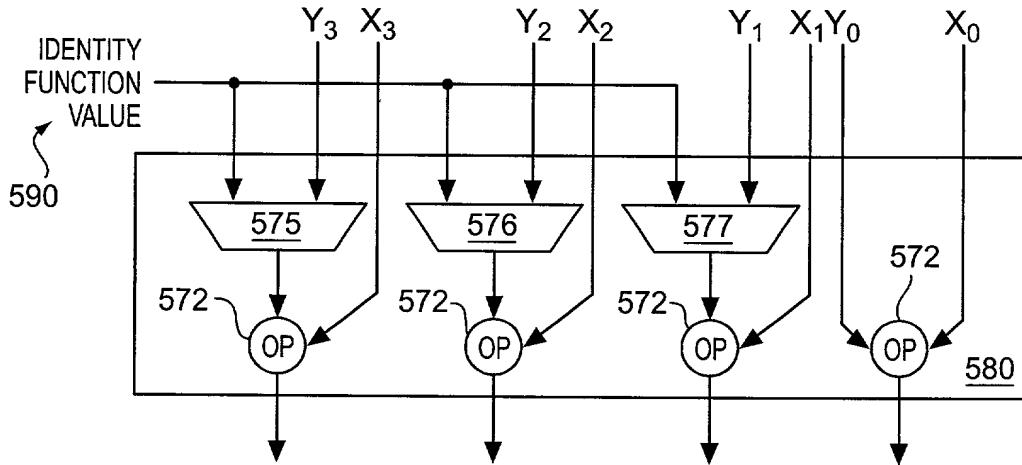
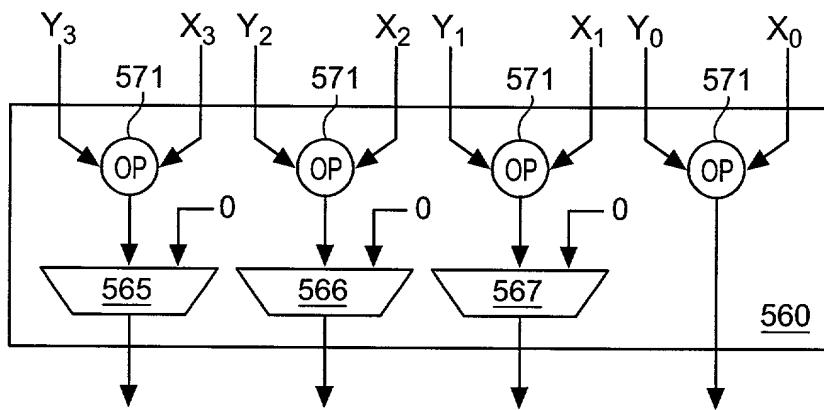
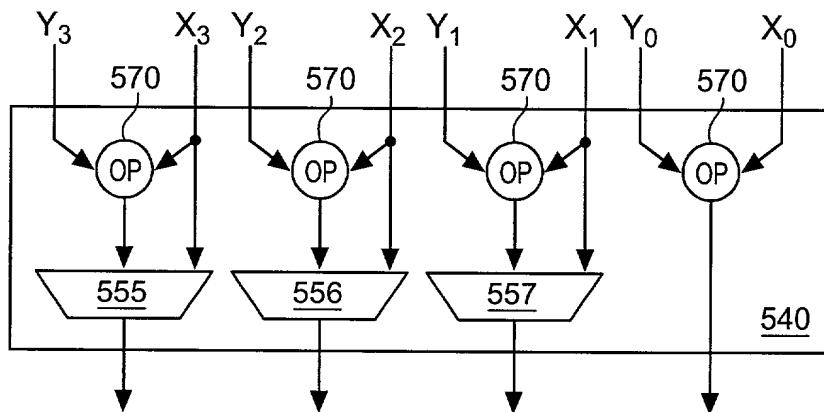
**FIG. 2C**



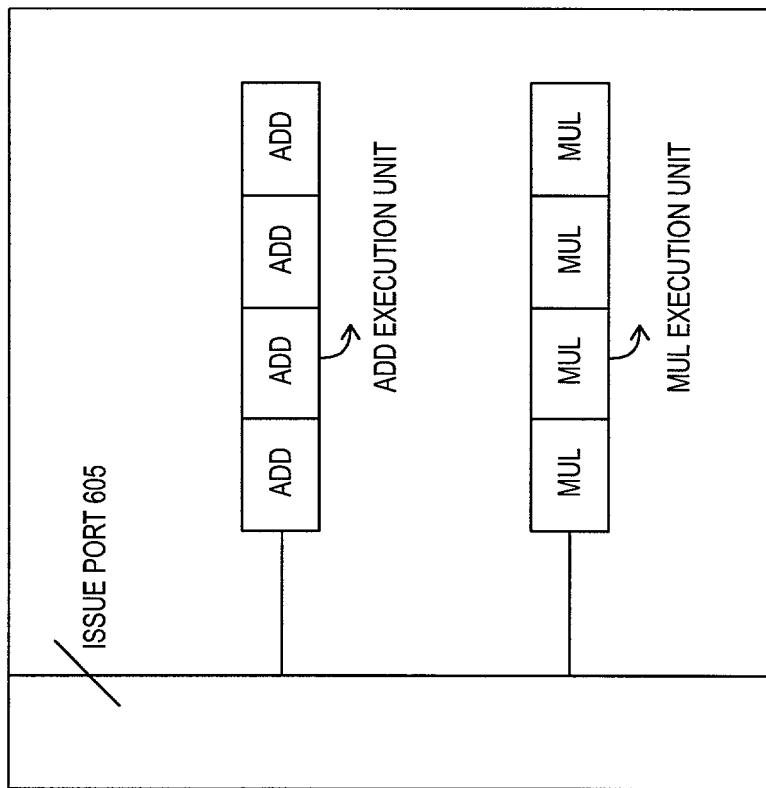
**FIG. 3**

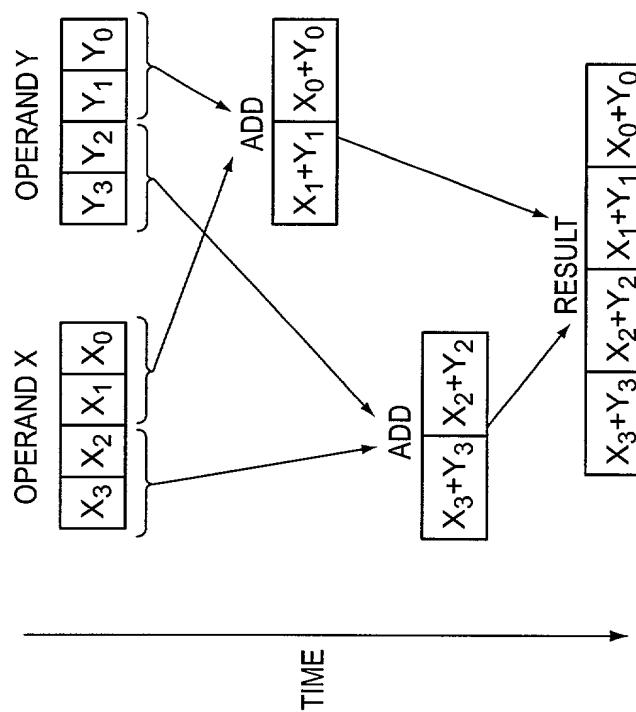


**FIG. 4**

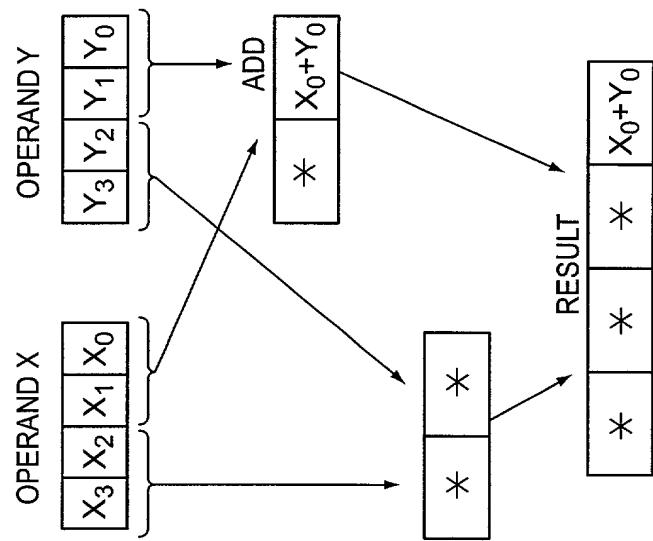


**FIG. 6**



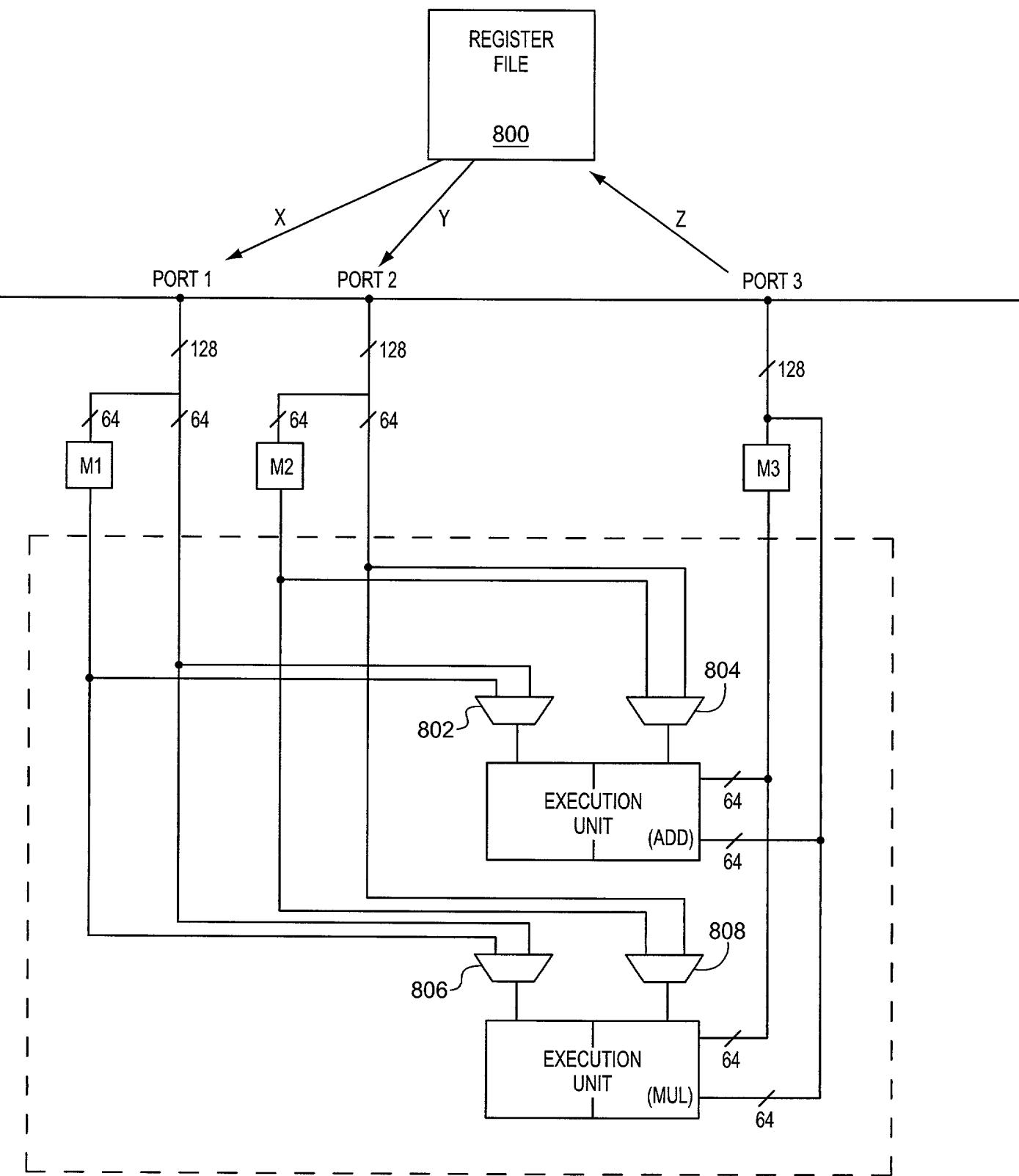


**FIG. 7A**



\* = CORRESPONDING DATA ELEMENT  
IN X OR Y, NaN, 0, OR OTHER  
PREDETERMINED VALUE

**FIG. 7B**

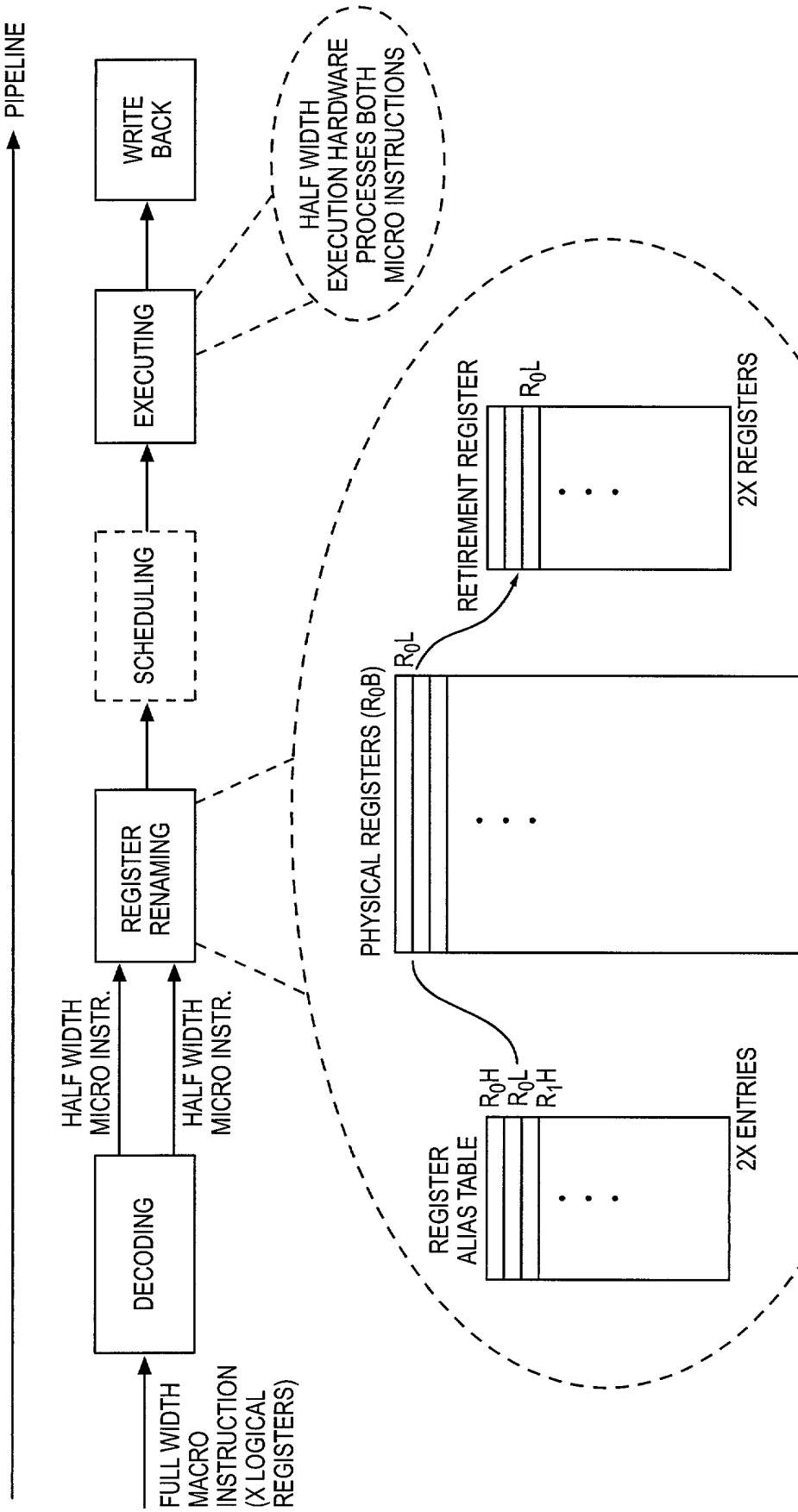


**FIG. 8A**

TIME	128-BIT INSTRUCTION	PERFORMED ON 64-BIT DATA
T	ADD X, Y	ADD X <sub>0</sub> Y <sub>0</sub> ADD X <sub>1</sub> Y <sub>1</sub>
T+1		ADD X <sub>2</sub> Y <sub>2</sub> ADD X <sub>3</sub> Y <sub>3</sub>
T+1	MUL X, Y	MUL X <sub>0</sub> Y <sub>0</sub> MUL X <sub>1</sub> Y <sub>1</sub>
T+2		MUL X <sub>2</sub> Y <sub>2</sub> MUL X <sub>3</sub> Y <sub>3</sub>

**FIG. 8B**

**FIG. 9**



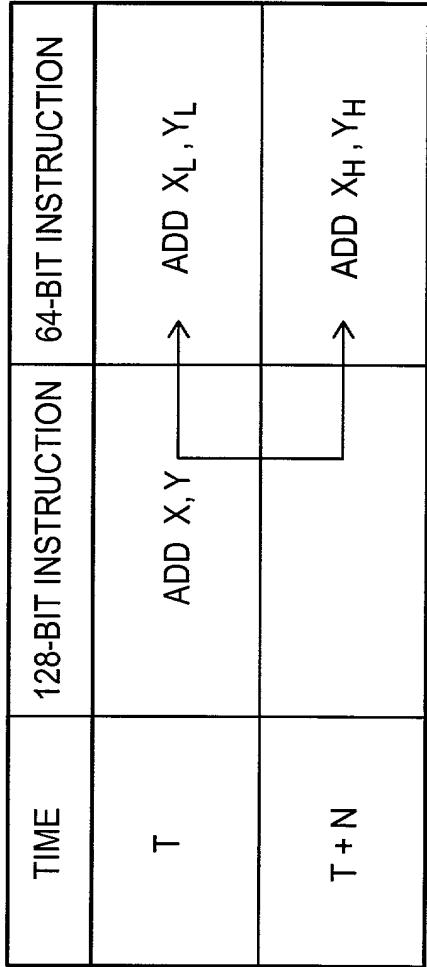
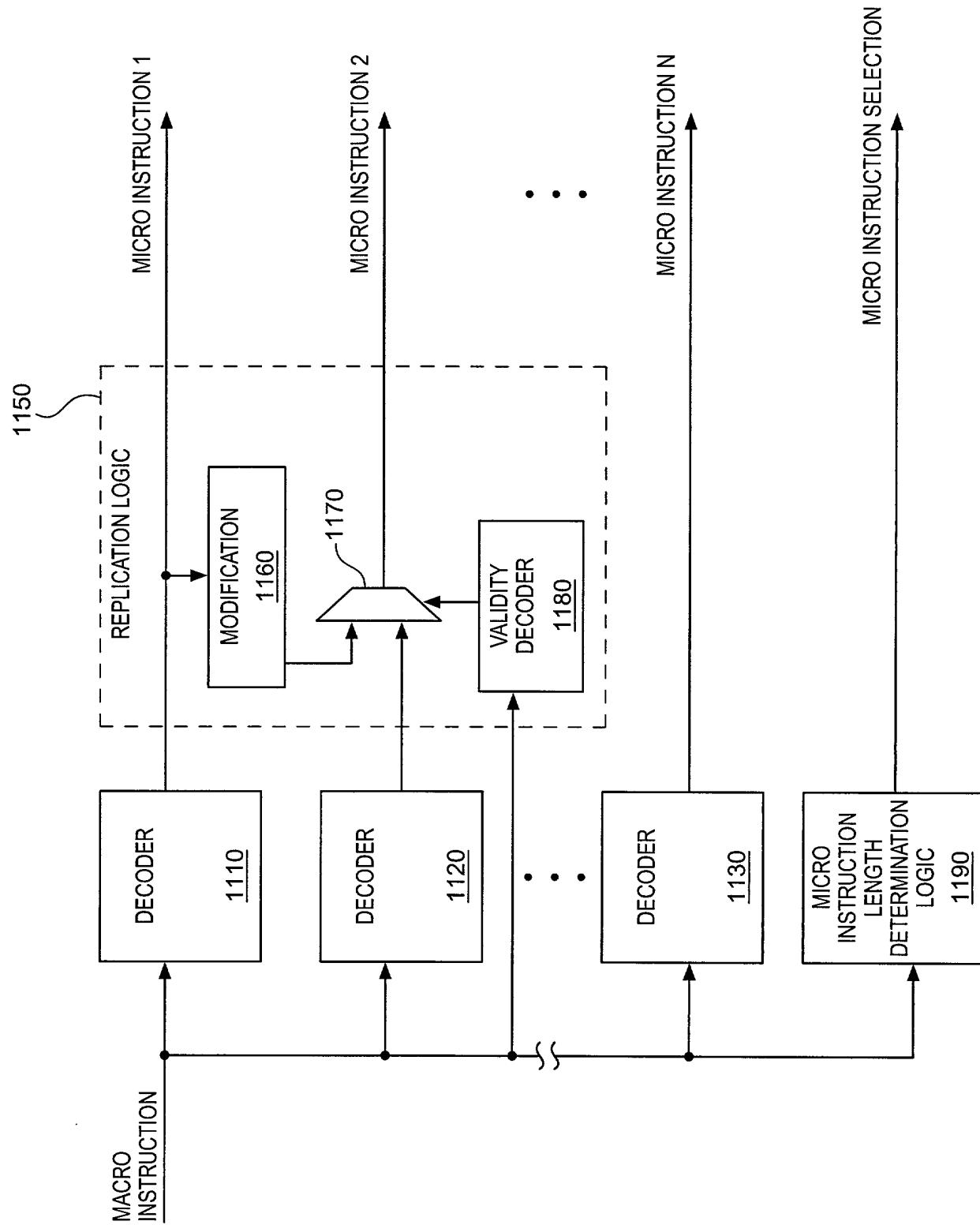


FIG. 10



**FIG. 11**